Attorney Docket No. FS-F03228-01

## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of the Claims:**

1. (Currently amended): An image forming method comprising:

image-wise exposing to a radiation source a photothermographic material comprising, on a same surface of a support, a photosensitive silver halide having a silver iodide content of 40 to 100 mol%, a non-photosensitive organic silver salt of an aliphatic carboxylic acid including a silver behenate, a reducing agent, a binder, and an adsorbable redox compound represented by Formula (I), wherein, in Formula (I), A represents a group that can be adsorbed by silver halide; W represents a divalent connecting group; n represents 0 or 1; B represents a reducing group that is capable of reducing silver ions and is a residue derived from a compound represented by any one of Formulas B<sub>1</sub> to B<sub>5</sub> and Formula B<sub>13</sub>; and

thermally developing the image-wise exposed photothermographic material with a developing time of 1 to 12 seconds;

wherein in Formulas  $B_1$  to  $B_5$  and in Formula  $B_{13}$ ,  $R_{b1}$ ,  $R_{b2}$ ,  $R_{b3}$ ,  $R_{b4}$ ,  $R_{b5}$ ,  $R_{b13}$ ,  $R_{N1}$ ,  $R_{N2}$ ,  $R_{N3}$ ,  $R_{N4}$  and  $R_{N5}$  each independently represent a hydrogen atom, an alkyl group, an aryl group or a heterocyclic group;  $R_{H3}$ ,  $R_{H5}$ ,  $R'_{H5}$ , and  $R_{H13}$  each independently represent a hydrogen atom, an alkyl group, an aryl group, an acyl group, an alkylsulfonyl group or an arylsulfonyl group, in which  $R_{H3}$  may alternatively represent a hydroxy group;  $R_{b130}$  to  $R_{b133}$  each independently represent a hydrogen atom or a substituent; and  $m_5$  represents 0 or 1;-

Formula (I)  $A-(W)_n-B$ 

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$$(B_{1}) \qquad (B_{2}) \qquad (B_{3})$$

$$R_{b1} - N \stackrel{OH}{=}_{R_{N1}} \qquad R_{b2} - C - N \stackrel{OH}{=}_{R_{N2}} \qquad R_{b3} - N - C - N \stackrel{OH}{=}_{R_{N3}} \qquad R_{N3}$$

$$(B_{4}) \qquad (B_{5}) \qquad (B_{13})$$

$$R_{b4} - O - C - N \stackrel{OH}{=}_{R_{N4}} \qquad R_{b5} - C \stackrel{N}{=}_{R_{15}} \stackrel{N}{=}_{H_{15}} \stackrel{OH}{=}_{N_{15}} \qquad R_{b130}$$

$$R_{b130} - R_{b130} = R_{b130}$$

wherein the photothermographic material further includes a compound represented by the following formula (H):

Formula (H)  $Q-(Y)_n-C(Z_1)(Z_2)X$ 

wherein in formula (H), Q represents an alkyl group, an aryl group or a heterocyclic group; Y represents a divalent connecting group; n represents 0 or 1;  $Z_1$  and  $Z_2$  each independently represent a halogen atom; and X represents a hydrogen atom or an electron attracting group

and wherein the reducing agent is a compound represented by the following formula (R-1):

wherein in formula (R-1), R<sup>11</sup> and R<sup>11</sup> each independently represent an alkyl group having 1 to 20 carbon atoms; R<sup>12</sup> and R<sup>12</sup> each independently represent an alkyl group having 2 to 20 carbon atoms; L represents a -S- group or a -CHR<sup>13</sup>- group; R<sup>13</sup> represents a hydrogen atom or an alkyl group having 1 to 20 carbon atoms; X<sup>1</sup> and X<sup>1</sup> each independently represent a hydrogen atom or a group that can substitute a benzene ring.

- 2. (Original): The image forming method according to claim 1, wherein the developing time is 2 to 10 seconds.
- 3. (Original): The image forming method according to claim 1, wherein the thermal development is conducted at a temperature of 80 to 250° C.
- 4. (Original): The image forming method according to claim 1, wherein the thermal development is conducted at a temperature of 100 to 140° C.
- 5. (Original): The image forming method according to claim 1, wherein the photothermographic material further includes an antifogging agent.
- 6. (Original): The image forming method according to claim 1, wherein the photosensitive silver halide has an average grain size of 5 to 50 nm.
- 7. (Original): The image forming method according to claim 1, wherein the photothermographic material further includes a development accelerator.
  - 8. (Cancelled.)
- 9. (Original): The image forming method according to claim 1, wherein the photothermographic material further includes a toning agent.
- 10. (Original): The image forming method according to claim 1, wherein the photothermographic material further includes an ultra-high contrast agent.
- 11. (Original): The image forming method according to claim 1, wherein the photothermographic material further includes a matting agent.
- 12. (Previously Presented): The image forming method according to claim 1, wherein the radiation source is a laser.

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13. (previously presented): The image forming method according to claim 12, wherein the laser has a light emission peak intensity within a wavelength range of 350 to 450 nm.

Claims 14-20 (Cancelled.)

- 21. (Previously presented): The method of claim 1 wherein the silver halide has a silver iodide content of 80 to 100 mol%.
- 22. (Previously presented): The method of claim 1 wherein the silver halide has a silver iodide content of 90 to 100 mol%.
- 23. (Previously presented): The method of claim 1, wherein an adsorbable group represented by A is a mercapto group, a salt thereof, a thion group (-C(=S)-), a heterocyclic group containing at least an atom selected from a nitrogen atom, a sulfur atom, a selenium atom and a tellurium atom, a sulfide group, a disulfide group, a cationic group, or an ethynyl group.
- 24. (Previously presented): The method of claim 1, wherein the adsorbable redox compound is represented by any of the following formulas (1) to (38) and (71) to (81):

(17)

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N-N SH HS N SH NHCOCH<sub>2</sub>CH<sub>2</sub>CONOH CONOH CH<sub>3</sub> (13) (12) NHCOCH<sub>2</sub>CH<sub>2</sub>CONOH CH<sub>3</sub> (13) (12) N-CH<sub>2</sub>CONHOH SH NCONHOH (14) (15) (16) 
$$C_3$$
 HS N CONHOH (16)

(18)

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- 25. (cancelled)
- 26. (Previously presented): The method of claim 1, wherein the photothermographic material further comprises a compound represented by the following formula (H):

Formula (H)

 $Q-(Y)_n-C(Z_1)(Z_2)X$ 

wherein in formula (H), X is a bromine atom; Y is SO2; N is 1; and Q is an aryl group or a heterocyclic group.